

FIG. 1

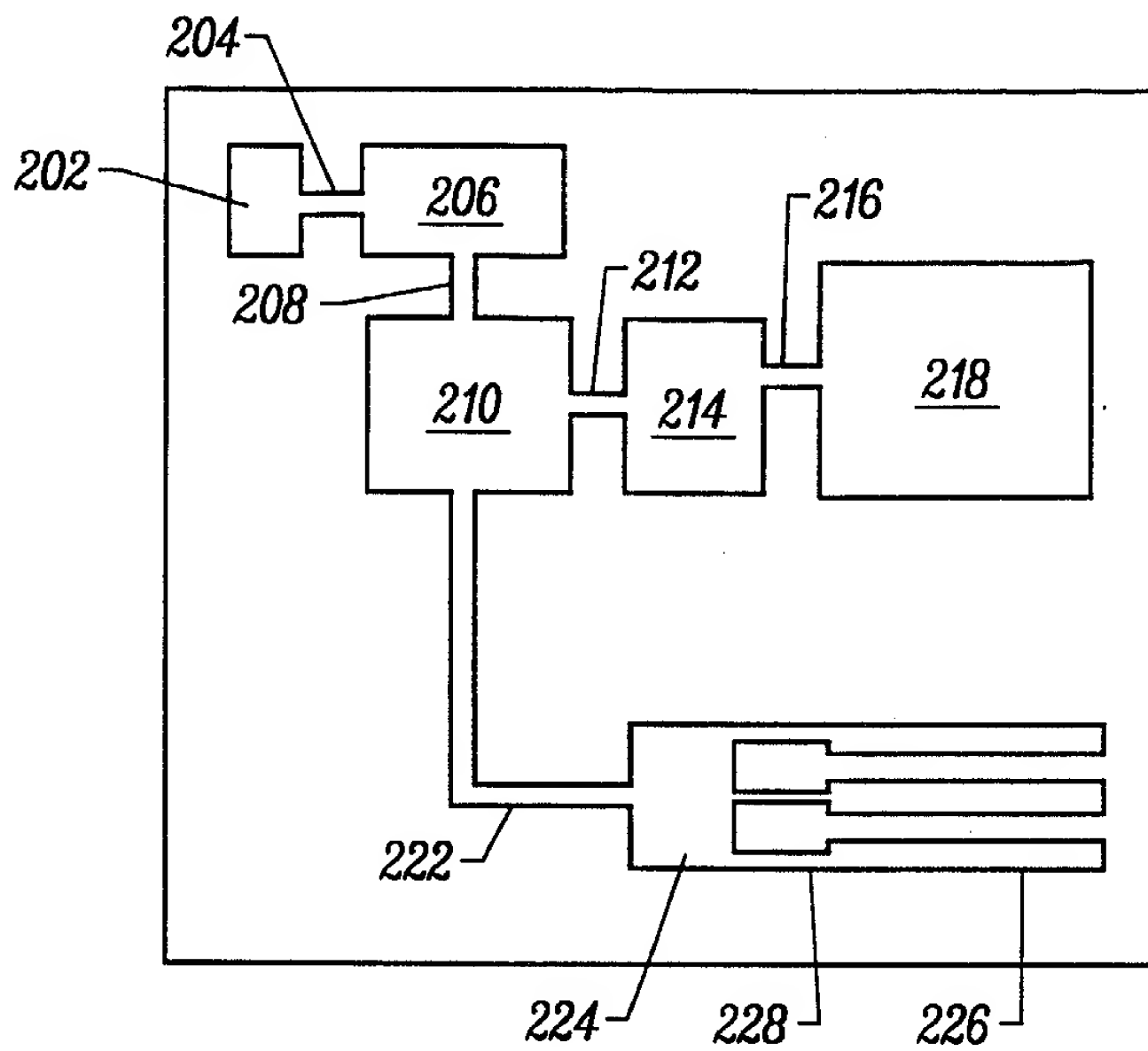


FIG. 3

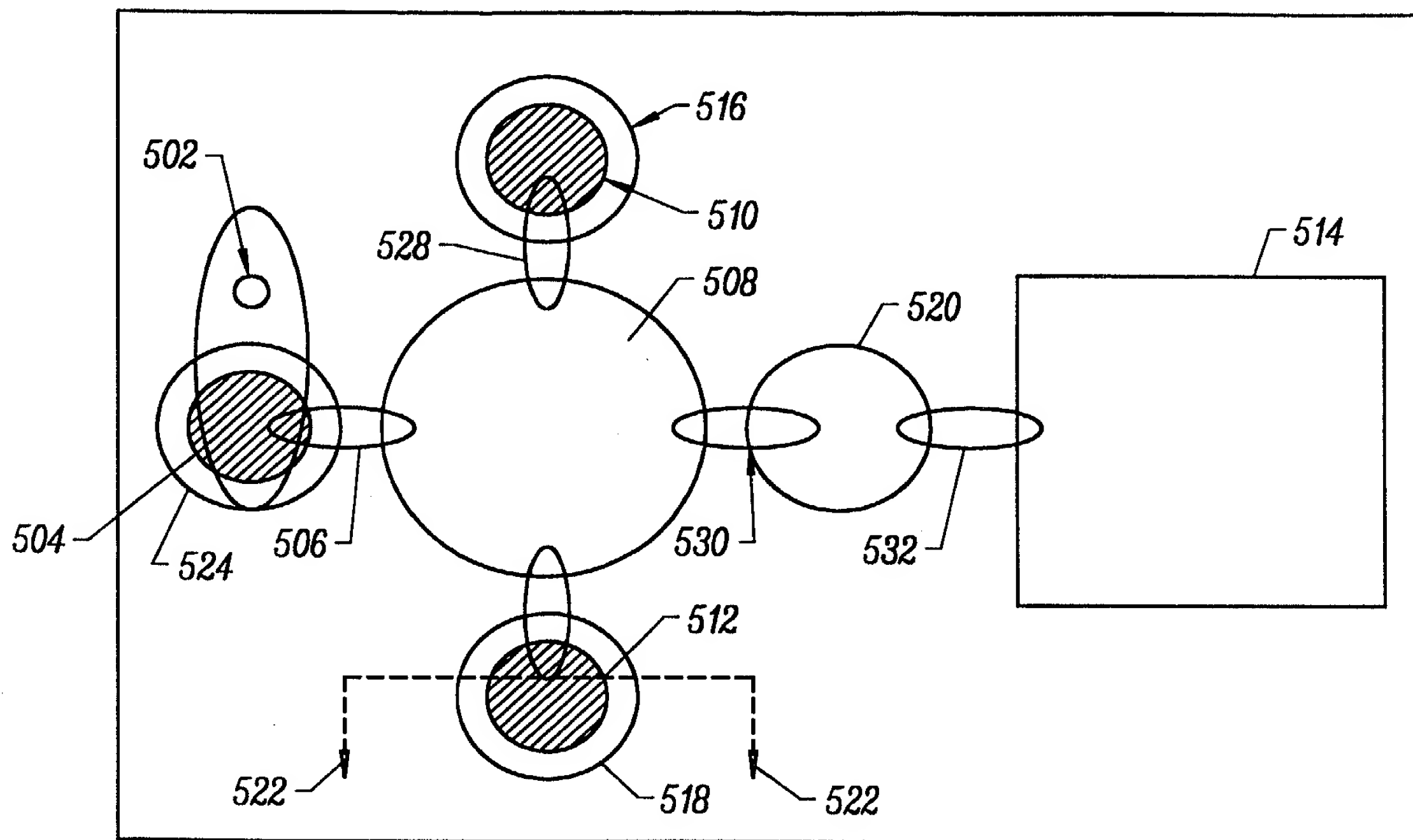
[illegible]

FIG. 5A

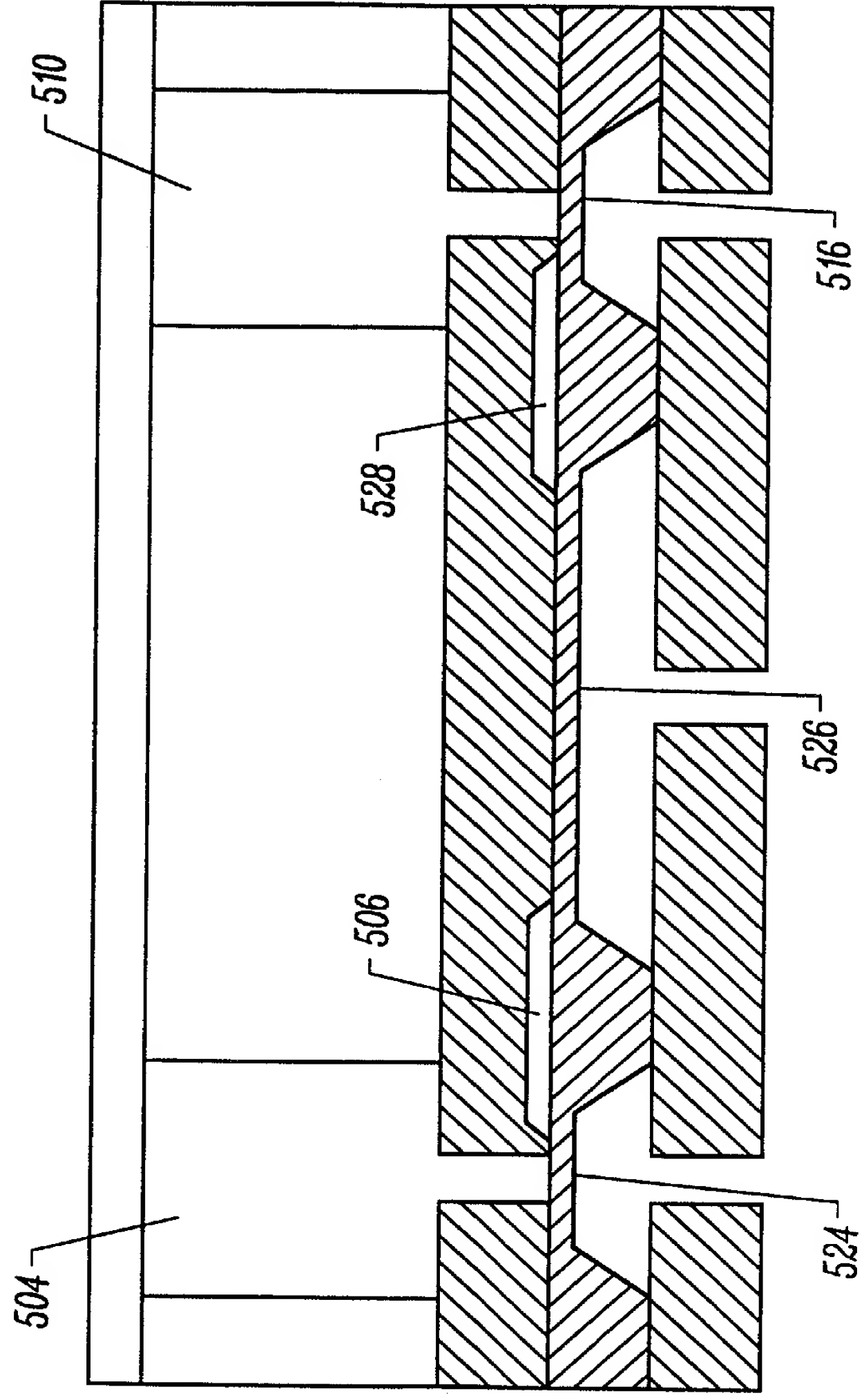


FIG. 5B

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

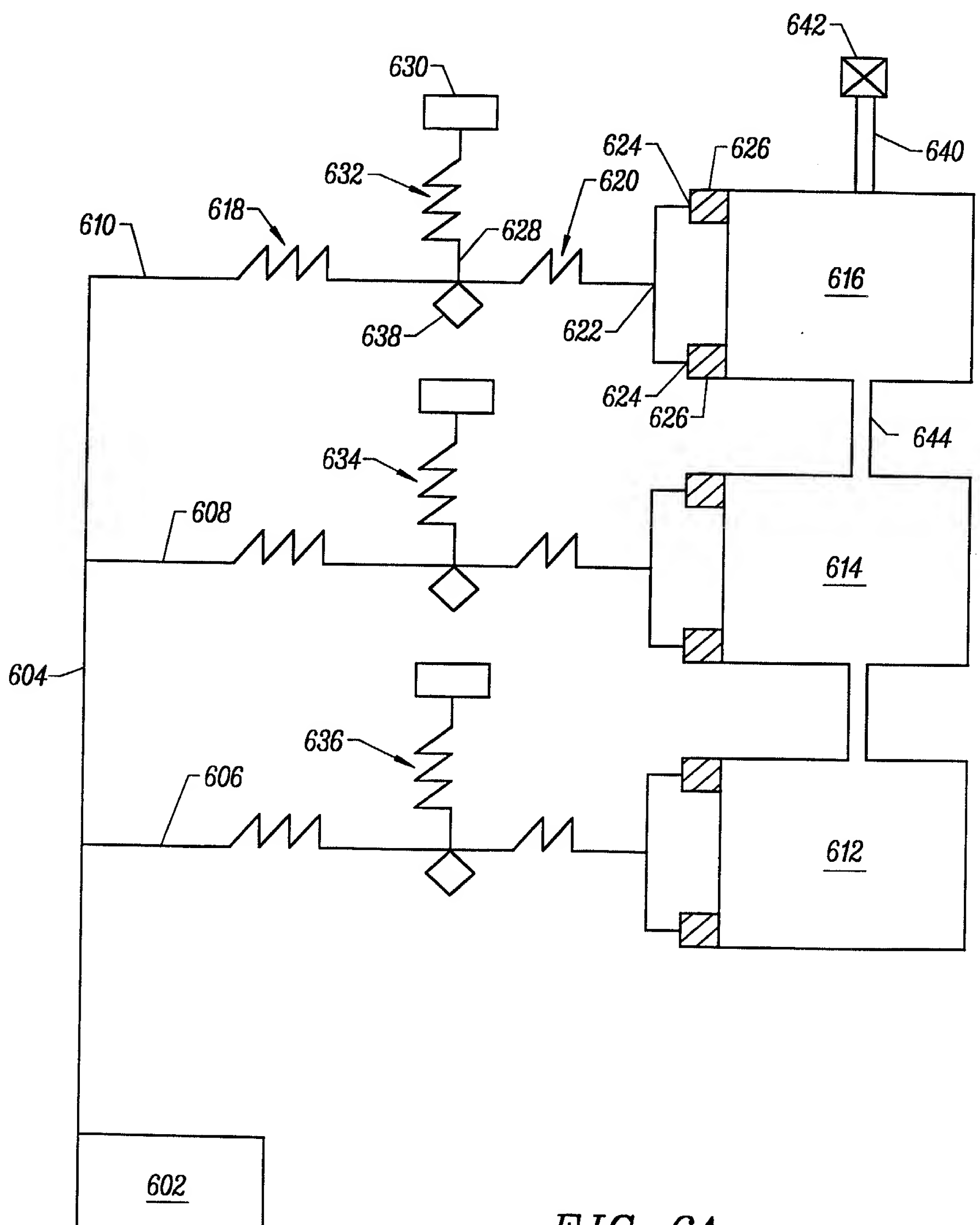


FIG. 6A

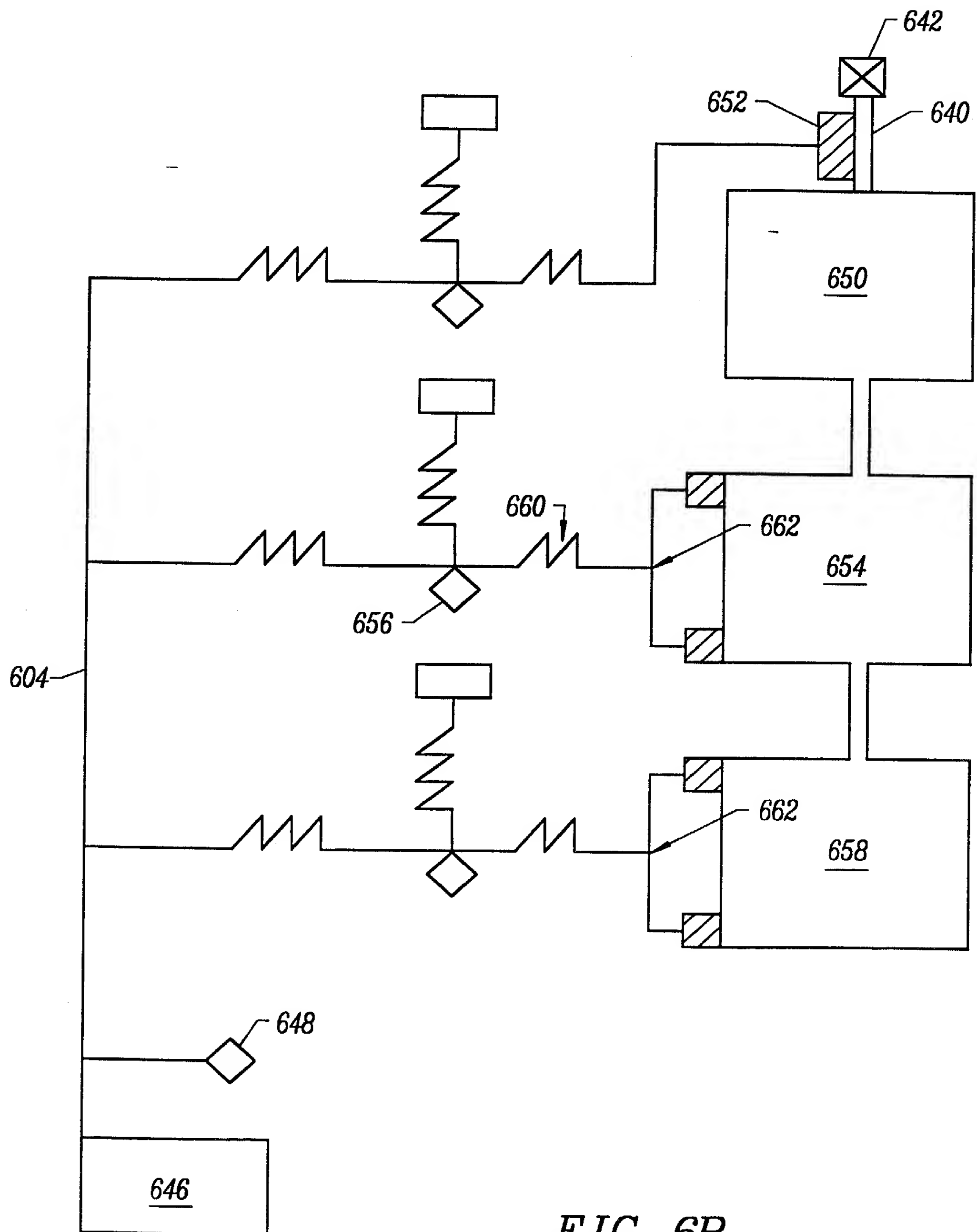


FIG. 6B

Pressure Distribution Among Control Nodes

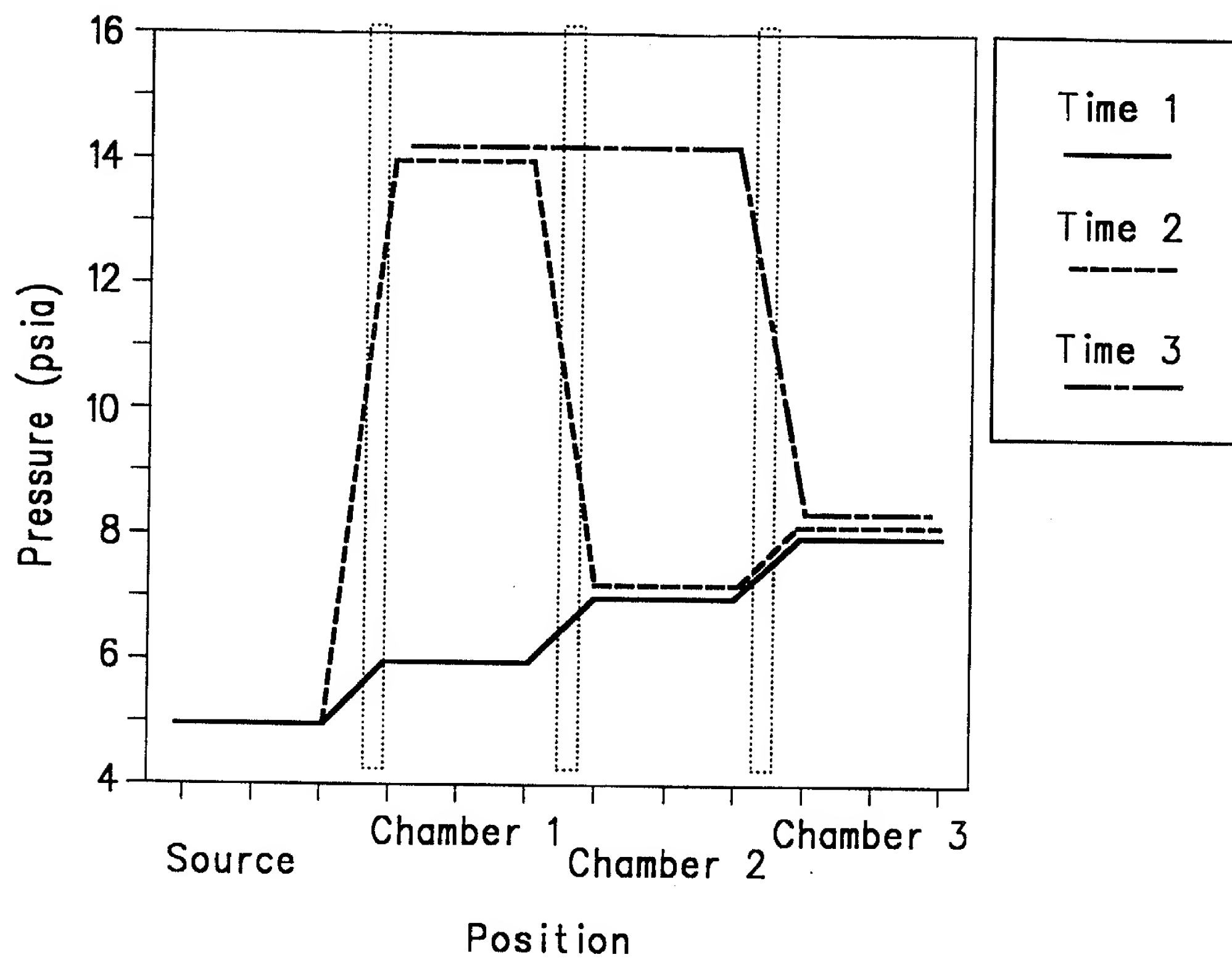


FIG. 6C

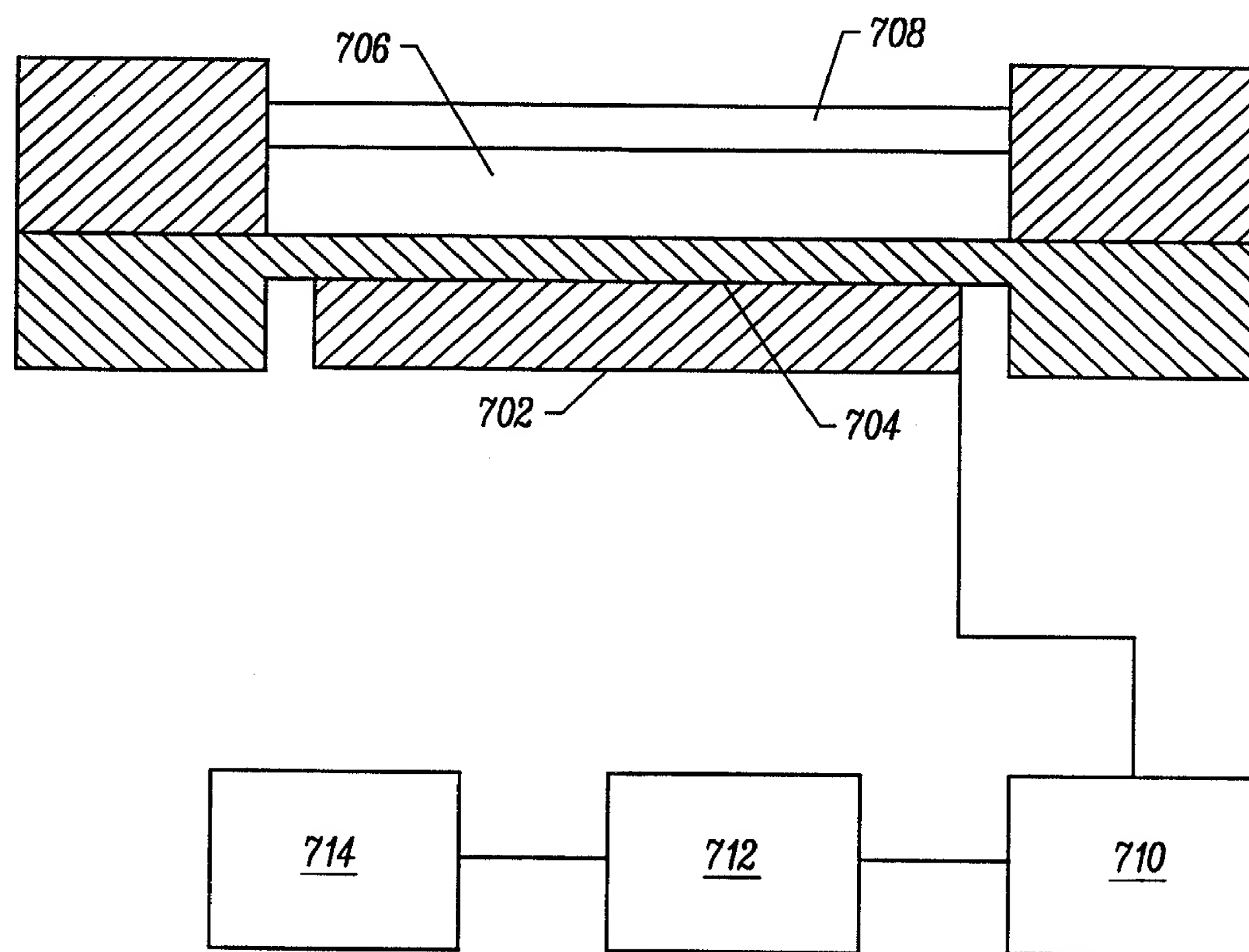


FIG. 7A

Flow Visualization



FIG. 7B

0050ED-84T6T560

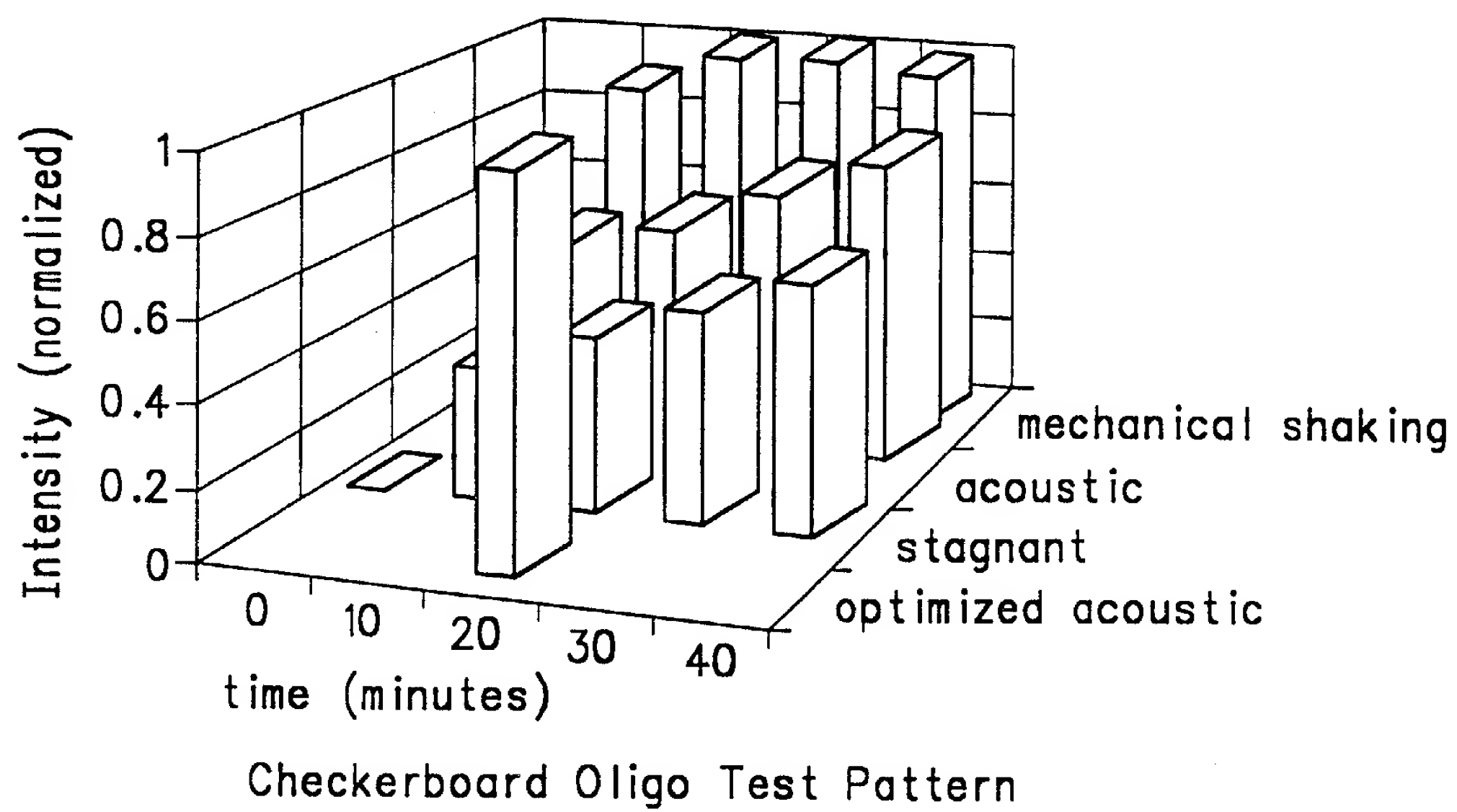


FIG. 7C

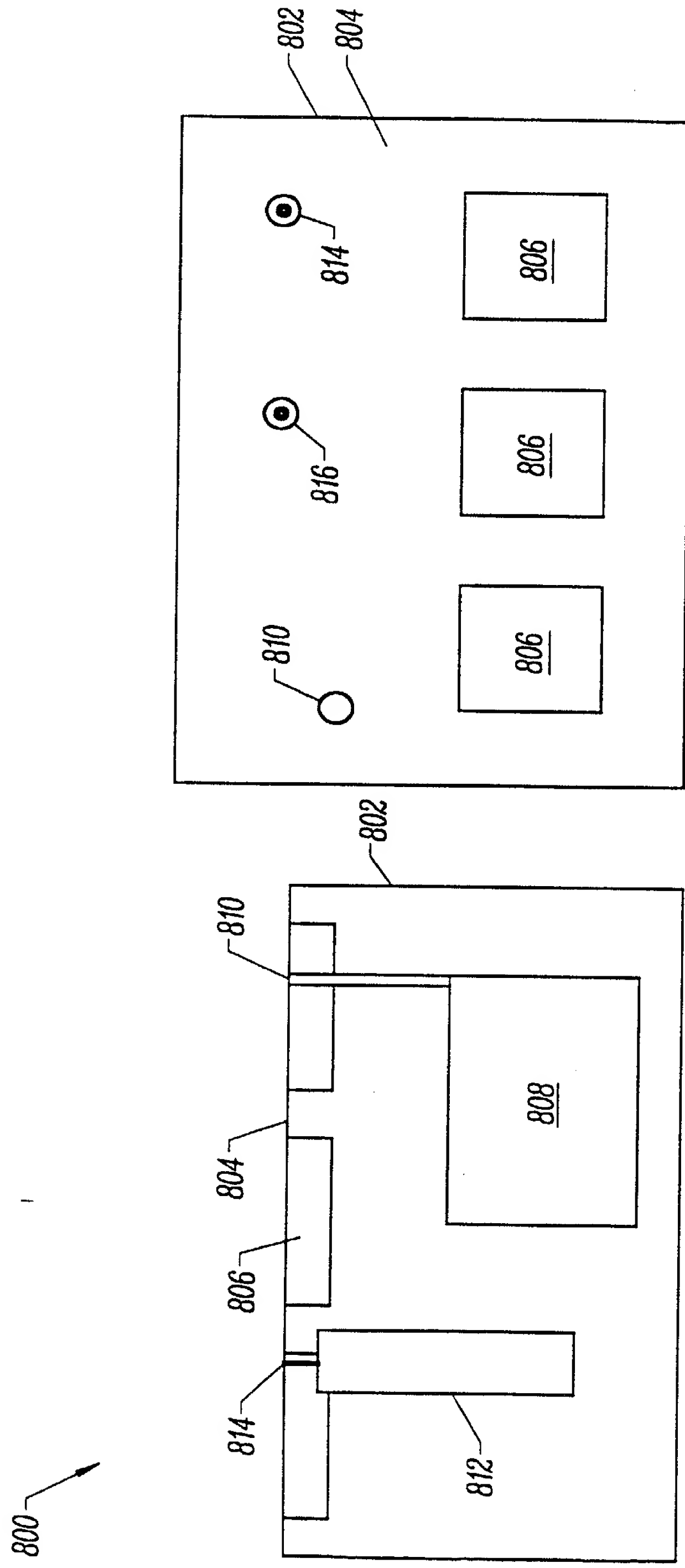


FIG. 8

[illegible]

Cycles: 35	Ini Den	Den	Ann		Fin Ext	Hold
Temp	94.0	94.0	65.0	72.0	72.0	10.0
	60	20	40	50	60	1000
Temp Hem	0	0	0	42	0	981
	St. Time [Min]		85.4		Tue. Nov. 14, 1995	
Cyc Hem 19	11:31 AM					

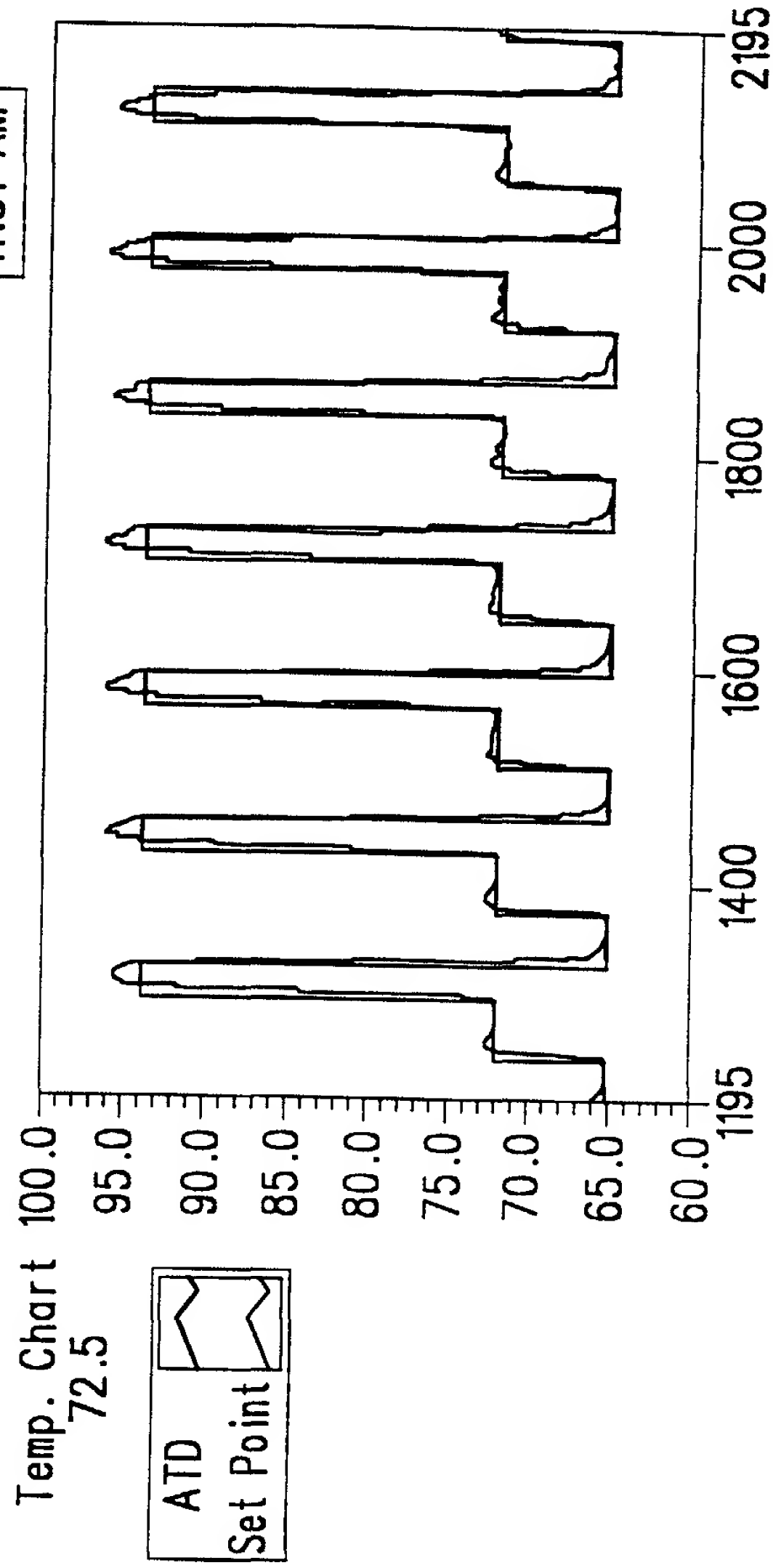
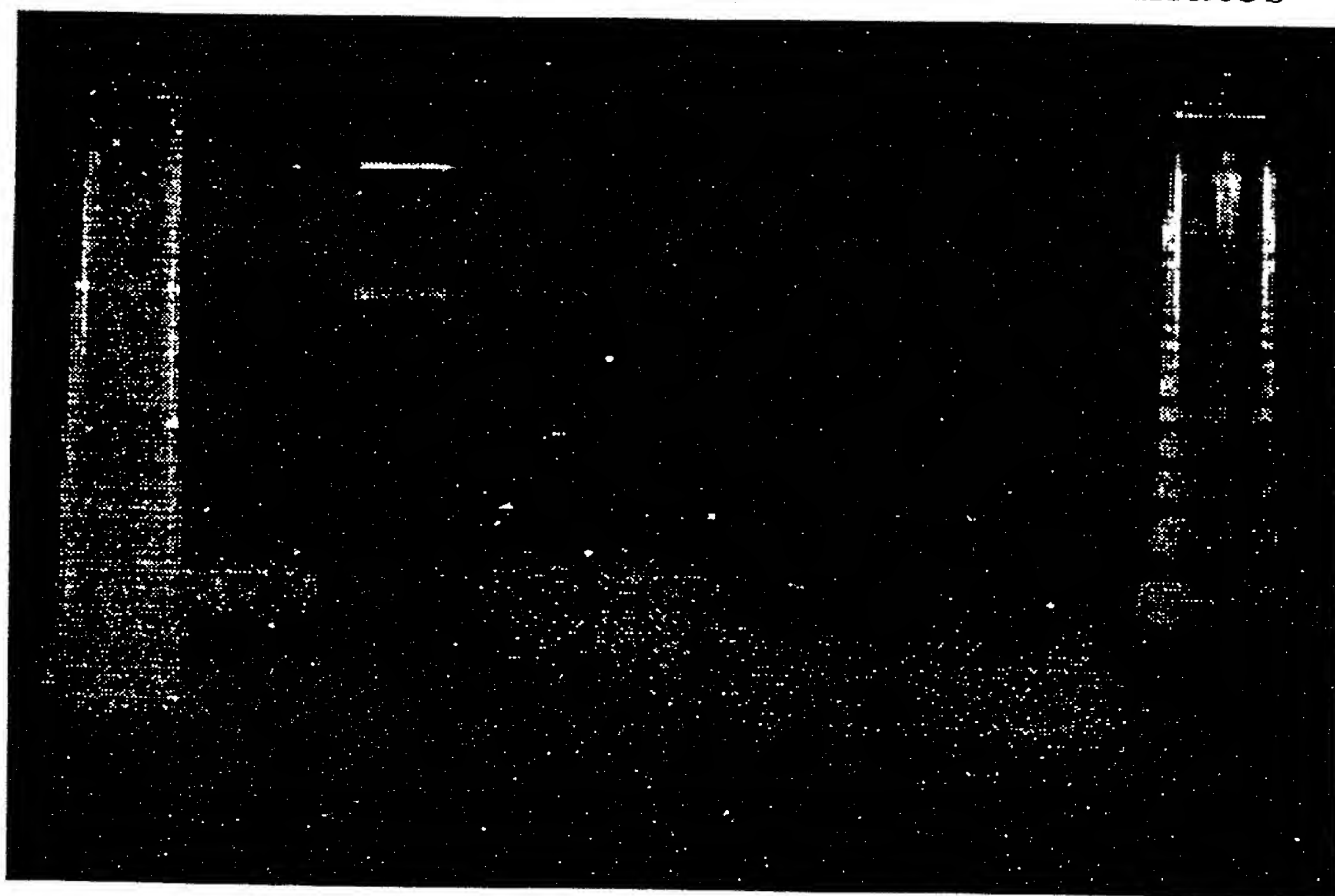


FIG. 9

Effect of Fragmentation Time at 94C

t = 0 5 10 30 60 120 minutes



Correct Call Rates:

74%	95.8%	95.9%
95.9%	95.5%	83%

FIG. 10A

Standard

Tube Based

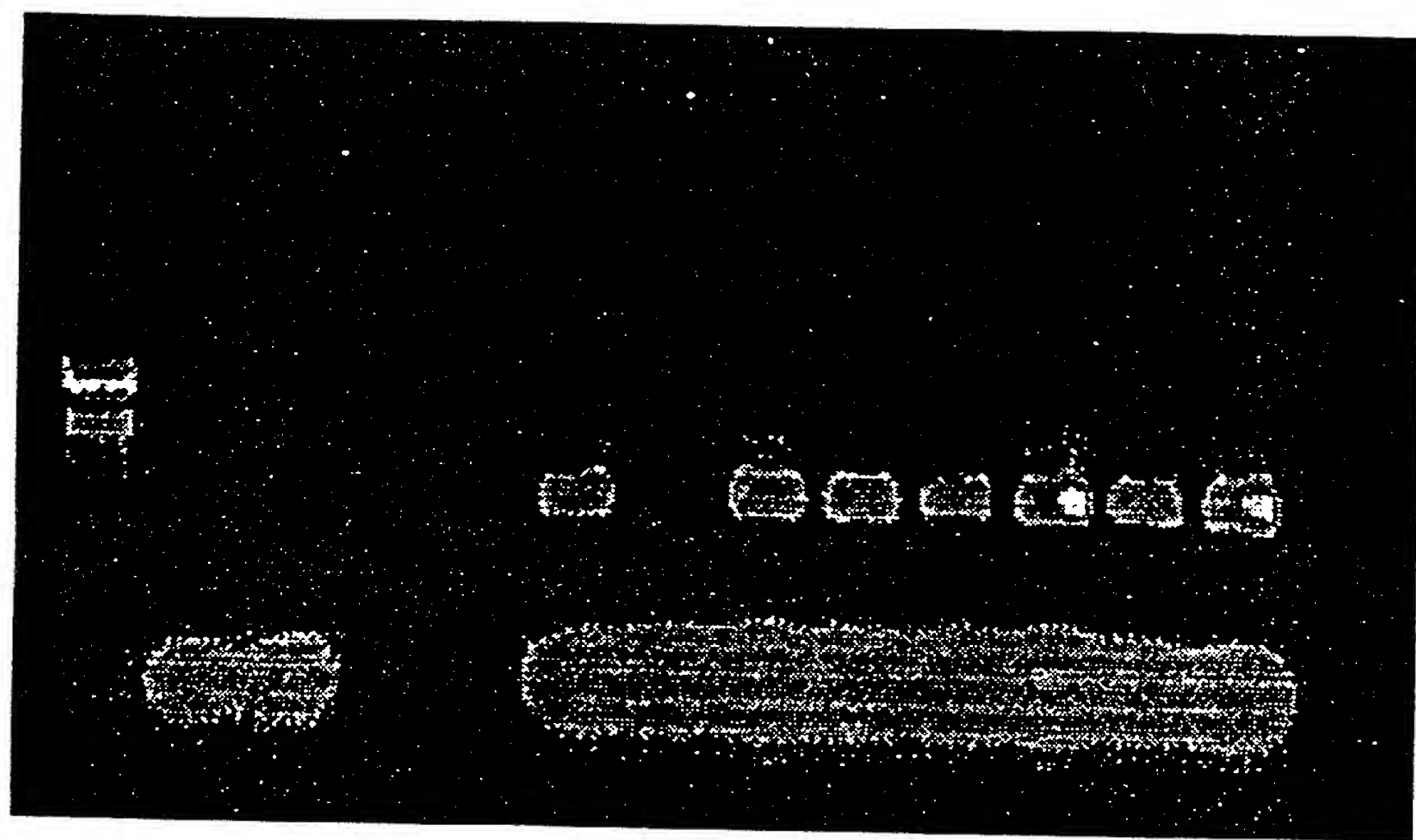


FIG. 10B

PCR Results

■ PCR:

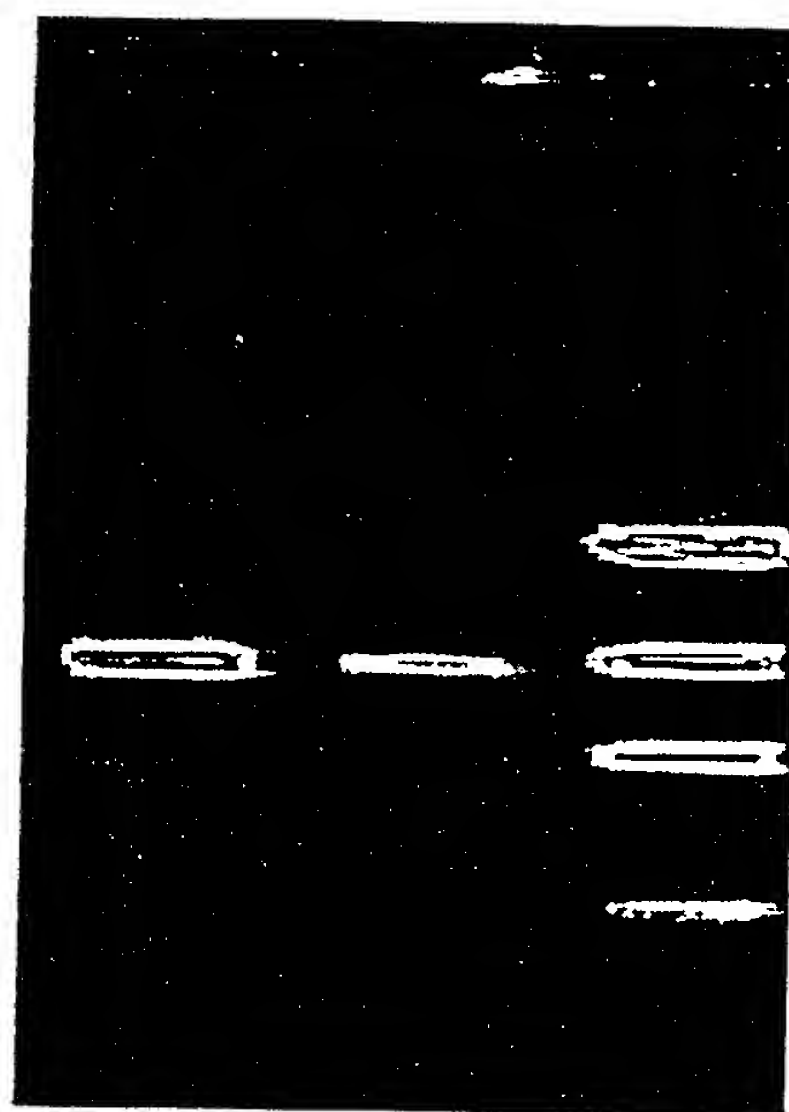
amplification: 10^9 (35 cycles)

control

microchamber

✓

✓



< 50 ng

< 30 ng

< 20 ng

< 10 ng

FIG. 10C